

**COUNTY OF SAN LUIS OBISPO BOARD OF SUPERVISORS
AGENDA ITEM TRANSMITTAL**

(1) DEPARTMENT Public Works	(2) MEETING DATE 11/15/2011	(3) CONTACT/PHONE Jeff Werst, Design Engineer (805) 781-4480	
(4) SUBJECT Submittal of Bid Opening for the Nacimiento Water Project Fiber Optic Pull Box Modification, Contract No. 300459			
(5) RECOMMENDED ACTION In accordance with applicable State Law, it is our recommendation that your Honorable Board, acting as the San Luis Obispo County Flood Control and Water Conservation District (District): <ol style="list-style-type: none"> 1. Award the subject contract to MGE Underground, Inc., the lowest responsible bidder, at \$91,790.08, and 2. Authorize the Public Works Director or his designee to approve change orders for a contingency amount up to \$9,000 plus an additional amount of \$9,000 for traffic control and supplemental work, for a final total construction amount of \$109,790.08. 			
(6) FUNDING SOURCE(S) Nacimiento Water Operations (Fund 2200002000)	(7) CURRENT YEAR FINANCIAL IMPACT \$183,013.00	(8) ANNUAL FINANCIAL IMPACT \$0.00	(9) BUDGETED? N/A
(10) AGENDA PLACEMENT <input checked="" type="checkbox"/> Consent <input type="checkbox"/> Presentation <input type="checkbox"/> Hearing (Time Est. _____) <input type="checkbox"/> Board Business (Time Est. _____)			
(11) EXECUTED DOCUMENTS <input type="checkbox"/> Resolutions <input type="checkbox"/> Contracts <input type="checkbox"/> Ordinances <input checked="" type="checkbox"/> N/A		(12) BUDGET ADJUSTMENT REQUIRED? BAR ID Number: <input type="checkbox"/> 4/5th's Vote Required <input checked="" type="checkbox"/> N/A	
(13) OUTLINE AGREEMENT REQUISITION NUMBER (OAR) 19001091		(14) W-9 <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
(15) LOCATION MAP Attached	(16) BUSINESS IMPACT STATEMENT? No	(17) AGENDA ITEM HISTORY <input type="checkbox"/> N/A Date 9/20/11	
(18) ADMINISTRATIVE OFFICE REVIEW			
(19) SUPERVISOR DISTRICT(S) All Districts -			



County of San Luis Obispo

TO: Board of Supervisors
Public Works
FROM: Jeff Werst, Design Engineer
VIA: Dave Flynn, Deputy Director of Public Works
DATE: 11/15/2011
SUBJECT: Submittal of Bid Opening for the Nacimiento Water Project Fiber Optic Pull Box Modification, Contract No. 300459

RECOMMENDATION

In accordance with applicable State Law, it is our recommendation that your Honorable Board, acting as the San Luis Obispo County Flood Control and Water Conservation District (District):

1. Award the subject contract to MGE Underground, Inc., the lowest responsible bidder, at \$91,790.08, and
2. Authorize the Public Works Director or his designee to approve change orders for a contingency amount up to \$9,000 plus an additional amount of \$9,000 for traffic control and supplemental work, for a final total construction amount of \$109,790.08.

DISCUSSION

In accordance with direction from your board, bids for the subject contract were opened on Thursday, October 20, 2011.

Four bids were received. They are as follows:

MGE Underground, Inc.	91,790.08
Whitaker Construction	93,705.60
John Madonna Construction Co., Inc.	135,565.40
Maino Construction Company, Inc.	146,633.20
Engineer's Estimate	\$97,279.64

The low bid came in 5% below the Engineer's Estimate. We have reviewed the submittal from MGE Underground, Inc. and verified that they are the lowest responsive, responsible bidder.

Project Background Information

The Nacimiento Water Project (Project) consists of 45 miles of pipeline, with storage tanks, pump stations and appurtenant facilities (see attached Unit Map) for the purpose of conveying up to 15,750 acre feet of water from Lake Nacimiento to local water agencies within District boundaries. Project construction was considered complete and the system operational in January 2011.

The Pipeline is monitored and controlled remotely via a Supervisory Control and Data Acquisition (SCADA) system that communicates via the Project's fiber optic line that runs parallel to the pipeline alignment. In addition to Project communications, the County's Information Technology Department (ITD) has rights to utilize a portion of the fiber optic line for various County communication purposes through an agreement with the District. The fiber optic line is, therefore, critical for Project operations and County communications and must be protected and kept in service at all times.

Since Project completion, rodents have gained access into two of the Project's 230 underground fiber optic pull boxes and chewed through the fiber optic line. These events disrupted fiber optic communications and resulted in repair costs of approximately \$25,000 per line break. Project pull boxes were designed and constructed according to normal fiber optic pull box standards, which account for protection from normal rodent intrusion; however, rodent intrusion along the Project's alignment has proven to be more aggressive than normal. The Nacimiento Water Project Fiber Optic Pull Box Modification (Modification Project), Contract No. 300459, proposes to fortify the Project's vulnerable fiber optic pull boxes (approximately 165 in all) by providing for the complete implementation of the following improvements:

- Replacement of gravel box bottoms with a combination of wire mesh and concrete;
- Installation of concrete grout to fill any voids or holes in existing pull box walls and lids; and
- Installation of sealant to plug all open conduits.

OTHER AGENCY INVOLVEMENT/IMPACT

The Nacimiento Participants include the City of Paso Robles, Templeton Community Services District, Atascadero Mutual Water Company, City of San Luis Obispo and County Service Area 10, Benefit Zone A. The Nacimiento Technical Support Group and the Nacimiento Commission have reviewed this project and concur with its implementation and recommended the inclusion of this project in this year's Nacimiento budget.

The County Information Technology Department has rights to utilize 75 percent of the Project's fiber optic line for County communications and is responsible for the same portion of all fiber optic maintenance, repair and improvement costs.

County Counsel has reviewed the Contract as to legal form and effect.

FINANCIAL CONSIDERATIONS

This project is budgeted in the Nacimientto Water Operating budget at \$183,018. While this project is charged to the Operation and Maintenance budget, it is being funded by the construction proceeds. Now that construction bids have been received and updated project costs are known, the cost estimate is \$183,013.

Please see Exhibit "A" for an estimated cost breakdown of the project.

RESULTS

The immediate result of the recommended action will be the construction of this project, providing protection for Nacimientto Water Project fiber optic lines from rodent intrusion and damage, providing for safe, reliable and efficient Project operations and County communications activities.

File: Contract No. 300459

c: Accounting Officer
Resident Engineer
Construction Engineer
MGE Underground, Inc., Contractor

Reference: 11NOV15-C-1

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ATTACHMENTS

1. Vicinity Map
2. Exhibit A